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PATENT COOPERATION TREATY

From the INTERNATIONAL SEARCHING AUTHO	ORITY			<u> </u>	
To: DAVID A. RUBIN 126 EAST LINCOLN AVENUE MERCK & CO., INC. RAHWAY, NJ 07065-0907		WR	PCT ITTEN OPINION OF THE		
		INTERNATIONAL SEARCHING AUTHORITY			
			(PCT Rule 43bis.1)		
		Date of mailing (day/month/year)	1 4 JUL 2005		
Applicant's or agent's file reference		FOR FURTHER ACTION See paragraph 2 below			
PCT 21540 International application No.	International filing date	(day/month/year)	Priority date (day/month/year)		
PCT/US05/02454	26 January 2005 (26.01		28 January 2004 (28.01.2004)		
International Patent Classification (IPC) o					
IPC(7): A01N 43/64, 43/66, 43/58, 43/60 514/243, 246, 249; 544/183, 184, 215, 2	0; A61K 31/53, 31/495, 79, 349	31/50; C07D 253/08	8, 487/00, 471/00, 241/36 and US CI.:		
Applicant					
MERCK & CO., INC.					
1. This opinion contains indications rela	ting to the following iter	ns:			
Box No. I Basis of the	opinion _.				
Box No. II Priority					
Box No. III Non-establishment of opinion with regard to novelty, inventive step and industrial applicability					
Box No. IV Lack of unity of invention					
Box No. V Reasoned statement under Rule 43bis.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
Box No. VI Certain docu	ments cited				
Box No. VII Certain defects in the international application					
Box No. VIII Certain obse	rvations on the internation	onal application			
2. FURTHER ACTION		4_ 'alia aninina mill	he asserted to be a printed entirion of the		
International Preliminary Examining	g Authority ("IPEA") ence IPEA and the chosen	xcept that this does IPEA has notified th	be considered to be a written opinion of the not apply where the applicant chooses an e International Bureau under Rule 66.1bis(b) dered.		
IPEA a written reply together, whe mailing of Form PCT/ISA/220 or bef	re appropriate, with an fore the expiration of 22	nendments, before ti	PEA, the applicant is invited to submit to the ne expiration of 3 months from the date of prity date, whichever expires later.		
For further options, see Form PCT/IS	SA/220.				
3. For further details, see notes to Form	PCT/ISA/220.		A	Λ	
Name and mailing address of the ISA/ US Mail Stop PCT, Attn: ISA/US		Authorized office		4.	
Commissioner for Patents P.O. Box 1450		Zachary C. Tuck	MULLIM III	H	
Alexandria, Virginia 22313-1450 Facsimile No. (703) 305-3230 Telephone No (571) 272-1600					
Form PCT/ISA/237 (cover sheet) (January)	2004)			//	

WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No.
PCT/US05/02454

	n regard to the language, this opinion has been established on the basis of the international application in the language in was filed, unless otherwise indicated under this item.
	This opinion has been established on the basis of a translation from the original language into the following language which is the language of a translation furnished for the purposes of international search (under Rules 12.3 and 23.1(b)).
2. Wi clai	n regard to any nucleotide and/or amino acid sequence disclosed in the international application and necessary to need invention, this opinion has been established on the basis of:
a.	type of material
	a sequence listing
	table(s) related to the sequence listing
b.	format of material
	in written format
	in computer readable form
c.	time of filing/furnishing
	contained in international application as filed.
	filed together with the international application in computer readable form.
	approved in computer readable form.
	furnished subsequently to this Authority for the number of such
	furnished subsequently to this Authority for the purposes of search.
3.	In addition, in the case that more than one version or copy of a sequence listing and/or table relating thereto has bee filed or furnished, the required statements that the information in the subsequent or additional copies is identical to that it the application as filed or does not go beyond the application as filed, as appropriate, were furnished.
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WRITTEN OPINION OF THE INTERNATIONAL SEARCHING AUTHORITY

International application No. PCT/US05/02454

YES

NO

Box No. V Reasoned statement under Rule 43 bts.1(a)(i) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement					
1. Statement					
Novelty (N)	Claims 1-27	YES			
	Claims NONE	NO			
Inventive step (IS)	Claims 1-27	YES			
	Claims NONE	NO			

2. Citations and explanations:

Industrial applicability (IA)

Claims 1-27 meet the criteria set out in PCT Article 33(2)-(3), because the prior art does not teach or fairly suggest compounds according to formulae I and II as set forth in instant claims 1-23, and therefore also does not teach or suggest a pharmaceutical composition comprising or a method of using the same, as set forth in instant claims 24-27.

Claims 1-27

Claims NONE

Claims 1-27 meet the criteria set out in PCT Article 33(4), and thus have industrial applicability because the subject matter claimed can be made or used in the pharmaceutical and medical industries.

Relevant prior art comes from WO 03/092586 (JIAO et al), published 13 November 2003. The publication has inventors in common with the instant application. Compounds disclosed by JIAO et al are chemokine receptor modulators, and differ from the instantly claimed compounds in that no shared ring nitrogen is in the bicyclic ring moiety. JIAO et al's compounds share the 1-amino-3-carbonyl-cyclopentyl pharmacophore possessed by the compounds according to the instant application.